



Harness the power of the StemRNA 3rd Gen Reprogramming Technology

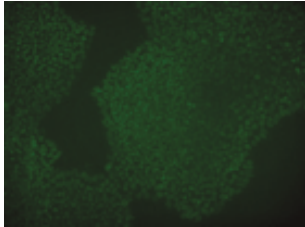
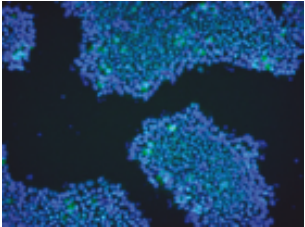
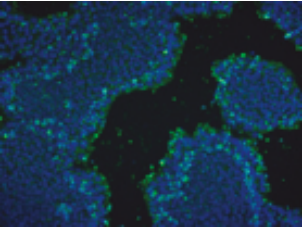
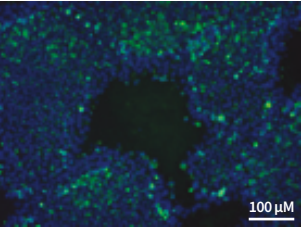
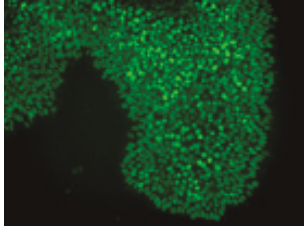
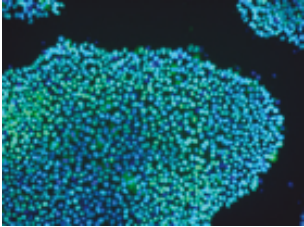
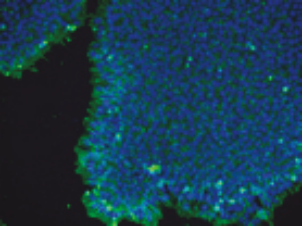
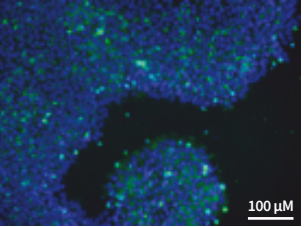
StemRNA Human induced pluripotent stem cells (iPSCs) provide immediate access to the state-of-the-art Stemgent® StemRNA 3rd Gen Reprogramming technology. These cells are ideal for validating the StemRNA 3rd Gen Technology with control cells prior to investing in reprogramming to develop patient-derived cell lines.

Benefits include:

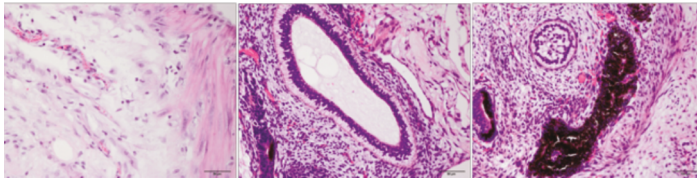
- **Ready for use in experiments such as differentiation**
 - Reprogrammed using the state of the art StemRNA 3rd Gen Reprogramming Technology
 - No retention or integration of reprogramming vectors
 - Immunologically (ICC) and functionally (teratoma formation) pluripotent
 - Normal karyotype
- **Significant time savings**
 - Saves 2-4 months or more compared to reprogramming your own iPSCs
- **Easy access to iPSCs for start-up labs**
 - No specialized reprogramming knowledge required
 - Grows in standard stem cell media and support matrices



StemRNA human iPSCs grown *in vitro* stain positive for standard pluripotency markers

| Strain ID | Nanog | Oct 3/4 + DAPI | SSEA-4 + DAPI | TRA-1-60 + DAPI |
|-------------------|---|---|--|---|
| RPChiPS802 3G1 |  |  |  |  |
| RPChiPS771 3G1 |  |  |  |  |

StemRNA human iPSCs differentiate *in vivo* into all three germ layers



Gut connective tissue (mesoderm)

Gut epithelium (endoderm)

Epidermis and hair follicle (ectoderm)

StemRNA human iPSCs exhibit expected karyotype



StemRNA hiPSC lines available

| Cat. No. | Strain ID | Donor Race | Donor Sex | Donor Age | Donor Clinical Status | Reprogramming Technology | Tissue Source |
|----------|---------------|--------------|-----------|-----------|-----------------------|-----------------------------|--------------------|
| RCRP004N | RPChiPS8023G1 | Hispanic | Female | 30 | Healthy | StemRNA 3 rd Gen | Blood (EPCs) |
| RCRP005N | RPChiPS7713G1 | Caucasian | Male | 32 | Healthy | StemRNA 3 rd Gen | Blood (EPCs) |
| RCRP006N | RPChiPSSK0011 | Asian-Indian | Male | 56 | Healthy | StemRNA 3 rd Gen | Skin (Fibroblasts) |
| RCRP007N | RPChiPSSK0042 | Asian-Indian | Male | 65 | Healthy | StemRNA 3 rd Gen | Skin (Fibroblasts) |
| RCRP008N | RPChiPSSK0021 | Asian-Indian | Female | 58 | Healthy | StemRNA 3 rd Gen | Skin (Fibroblasts) |
| RCRP009N | RPChiPSBL003 | Asian-Indian | Female | 20 | Healthy | StemRNA 3 rd Gen | Blood (EPCs) |
| RCRP010N | RPChiPSSK0053 | Caucasian | Male | 56 | Healthy | StemRNA 3 rd Gen | Skin (Fibroblasts) |
| RCRP011N | RPChiPSSK0032 | Asian-Indian | Female | 20 | Healthy | StemRNA 3 rd Gen | Skin (Fibroblasts) |
| RCRP012N | RPChiPSSK006 | Filipino | Male | 30 | Healthy | StemRNA 3 rd Gen | Skin (Fibroblasts) |

Related products

| Product Name | Cat. No. | Quantity |
|---|-------------|------------|
| NutriStem® XF hPSC Culture Medium (Sartorius) | 01-0005 | 500 mL |
| | 01-0005-100 | 100 mL |
| iMatrix-511 Recombinant Human Laminin-511 (Matrixome) | NP891-011 | 350 µL |
| | NP891-012 | 3 × 350 µL |
| StemRNA™ 3 rd Gen Reprogramming Kit | 00-0076 | 1 kit |

Can't find what you want?

If these cells don't meet your needs, REPROCELL can create custom iPSCs specifically for your project. Service options include:

- Custom collection of starting tissue / target cells to meet your donor criteria
- Reprogramming using our StemRNA 3rd Gen Reprogramming technology
- Expansion, banking, characterization
- Differentiation if needed

Please contact your sales rep or info-us@reprocell.com to find more.